



# Center for Minimally Invasive Therapeutics Seminar series



**Dr. Babak Sanii**

University of California, Los Angeles (UCLA), U.S.A.

**Wed, June 12<sup>th</sup>, 2019 at 1:00pm-2:00pm**

**CNSI Auditorium**

Hosted by Prof. Ali Khademhosseini

***“Scalable biomembrane manufacturing”***

---

## **Abstract:**

Supported phospholipid bilayers are a useful laboratory platform to study some lipid dynamics and protein interactions. Their utility beyond the laboratory (e.g., water filtration) is an open question in part because producing supported lipid bilayers has at times been deemed an artform. In our labs we are developing technologies to reliably manufacture supported lipid bilayers. In this talk I will discuss rapid prototyping approaches to forming spatially complex biomembranes, and key technologies to enable roll-to-roll processing, patterned printing and membrane transportation/shipment.

---

## **Biography:**

Dr. Babak Sanii is an assistant professor of Chemistry jointly at three co-located undergraduate liberal arts colleges: Claremont McKenna, Pitzer and Scripps. His postdoctoral work was in nanotechnology at The Molecular Foundry of Lawrence Berkeley National Lab, his graduate work was in directed self-assembly at UC Davis, and prior to that he worked as an engineer at NASA/JPL and at Pixar Animation Studios.

---

***For any inquiries, contact Prof. Ali Khademhosseini at [khademh@ucla.edu](mailto:khademh@ucla.edu)***